**SECTION 58.   DEFENSE INDUSTRIAL FUNDS MANAGEMENT SYSTEM (DIFMS)**

**58.1 GENERAL.**
The Defense Industrial Funds Management System (DIFMS) is part of a larger system called AF Depot Maintenance Accounting and Production System (DMAPS).  The DIFMS portion discussed in this section describes information passing between GAFS and DIFMS and the processes required to support the information passing.

    a. Document Summary Record Transaction File (DSRTF).  This file contains all current DSR activity relating to the GAFS database.  It is initially created by a one-time program (NBQN10) and maintained on a daily basis by a program run during BQ EOD processing (NBQN20).  The GAFS database will also be scanned and possibly modified to prepare it for DIFMS processing by a one-time program (NBQN15).

    b. Information from the DSRTF is extracted by a daily program (NBQN30) and appended to DIFMS transactions input during the day.  A DIFMS transaction is any transaction that contains a "D" in the CSI field of the PSR or DSR.  The transactions are automatically sent to the DIFMS Integration Engine (IE).

    c. The DSRTF will be aged, reconciled, and archived by a monthly program (NBQN40) to remove items for which the DSR and Document-ID no longer exist in the GAFS database.

    d. Manual updates can be made to the DSRTF through a batch program (NBQN50).

    e. During fiscal yearend processing, program NBQN60 will modify the DSRTF for any changes made to the DSR file by yearend processing.

**58.2 BQ DATABASE REQUIREMENTS.**
CSRs, FSRs, PSRs, and DSRs must be established as described in section 13.

    a. Cost System Indicator (CSI).  DIFMS addresses must contain a "D" in the CSI field.  The CSI "D" identifies A&F database records applicable to DIFMS.  The CSI is entered in the highest level summary record with costs totally applicable to DIFMS.  If the CSI is in an FSR or PSR, it is automatically entered in the transaction history record and the DSR.  Enter the CSI in position 71, field 12.

    b. Cost Descriptor (CD).  The CD is an optional field which identifies whether the transaction is direct to a DIFMS cost account, indirect, or direct to a work order.  The CD is part of the database address, and is entered in the highest level summary record with costs totally applicable to DIFMS.  If the CD is in an FSR or PSR, it is automatically entered in the transaction history record and the DSR. Enter the CD in position 72, field 12, on the TRT.  There are three

possible cost descriptors used for DIFMS: D, I, and W.  W is for costs applicable to a work/job order.

c. Contract-Other Code.  The Contract-Other Code is an optional 2-position numeric code with values ranging from 00 to 99.  If applicable, it will be entered in positions 73 and 74, field 12.

d. Order Number.  This is a term to identify a job order or work order.  The order number is an 8-character alphanumeric code.  The order number must be entered in field 20 when the CD is "W".  If the CD is "W", an order number is required for every stage of accounting, except target loads.

## 58.3 DIFMS FILES.

a. DSRTF.  This file (ZBQN2AUNDD10) is established by program NBQN10 and updated daily by program NBQN20.  The purpose of the DSRTF is to maintain a link between the originating document and all subsequent stages of accounting.  It is comprised of three distinct parts: Part I is the primary key field.  It is made up of the Document Identity (DOC-ID), the DSRA, and the balance-ID (BAL-ID).  This is the same information that is contained in the Open Document List.  Part II is the alternate key field and contains information similar to that in the primary key field.  The difference is this information relates to the previous document or DSR.  For example, the primary key would contain information relating to an obligation, such as a contract number, the associated DSR, and the BAL-ID of O.  The alternate key would contain information relating back to the commitment document that the obligation originated from, such as an AF form 9.  Part III contains the original DOC-ID, usually the commitment DOC-ID, and the date of last transaction (DOLT).  The DSRTF will be used to append the original DOC-ID to DIFMS transactions that are sent to the DIFMS IE.

b. DIFMS Interface File.  This file (ABQN3AUNDD10) is created by program NBQN30.  It is composed of all GAFS accounting transactions that posted for the business date and contain a "D" in the CSI field.  Program NBQN30 reads the ABQ13GUNDD70 file and the generic extract file created during end-of-day processing.  It extracts those transactions that contain a "D" in the CSI field, appends the original DOC-ID to the end of the transaction, and writes the output to an interface file which is sent to the DIFMS IE.

c. Archived DSRTF.  This file (ABQN4AUNDD10) is a copy of the DSRTF which is created by program NBQN40.  After program NBQN40 has saved the DSRTF, it goes through the DSRTF and removes any outdated entries.  Outdated entries are those that have not had an active DSR in the GAFS database for 60 days or longer.  The dates are determined based on the DOLT field in the DSRTF compared to the current date.  Program NBQN40 will be automatically started by NBQJ40.

d. DSRTF Manual Update.  Program NBQN50 utilizes the user created Control File (ABQN5AUNDD10) to make temporary changes to the DSRTF. Figure 58-1 provides the format for control records.  Updates can be made to the original DOC-ID field only.

**58.4 SYSTEM DESCRIPTION AND PROCESSING.**
DIFMS is supported by a set of independent programs, which create and maintain the files needed to provide the required information to the DIFMS IE.  The DIFMS independent programs are described as follows:

a. Program NBQN10.  This program is run only one-time to create the initial DSRTF File (ZBQN2AUNDD10).  It scans the DSR database file and builds a table using the available information.  Every active DSR will create one entry in the DSRTF for each BAL-ID having a monetary value.

b. Program NBQN15.  This program checks the database and updates it as necessary for DIFMS compatibility.  This program scans CSRs, FSRs, PSRs, and DSRs and checks the CSI against a table containing all the possible DIFMS fund codes.  If a record is found to contain a CSI of "D" but the fund code is not in the table, the CSI is deleted from the record and printed on the ABQN1LUNPL10 listing with the message "CSI deleted from record".  If a fund code is found in the table and the CSI is blank or not "D", the CSI is changed to "D" and printed on the listing.  See figure 58-2.  Valid DIFMS fund codes for initial population are 6L, 6M, and 6Z.

c. Program NBQN20.  Once the DSRTF has been established, program NBQN20 will be started automatically by end of day program NBQ105.  No control record is needed and no output listings are created.  The program reads the ABQ13GUNDD70 file and extracts all transactions that affect DSRs.  From these transactions, the program decides whether to insert a new record in the DSRTF or discard the transaction.  Based on the primary key of DOC-ID, BAL-ID, and DSR, NBQN20 attempts to insert the record into the DSRTF.  If a record with that key already exists, the transaction is discarded.

d. Program NBQN30.  This program reads the Generic Extract File (ABQH1CUNDD10) for DIFMS.  It is started automatically by NBQH40 when "DBQN30" is included in the "FURTHER PROCESSING RUNSTREAM" line of the GNXT2 screen (paragraph 50.5.j).  For each record selected from the Generic Extract, the program will locate a corresponding entry in the DSRTF.  From the corresponding entry, the original Doc-ID will be appended to the Generic Extract record and written to the DIFMS Interface File (ABQN3AUNDD10).  This file will be automatically sent to the DIFMS IE daily.

e. Program NBQN40.  This program reconciles entries in the DSRTF with current DSRs.  Entries will be grouped together by ORIG-DOC-ID. If any of the entries in a group are less than 60 days old, or reference a current DSR record matching the DSRTF-DOC-ID, then the entire group is retained.  Otherwise, the existing group is dropped. An Archive File (ABQN4AUNTT10) is created before any changes are made to the DSRTF.

f. Program NBQN50.  This program allows the user to update the
DSRTF.  The only allowable changes are to the ORIG-DOC-ID field.  A
print listing (ABQN5LUNPL10) will be created containing the updates
attempted.  See figure 58-3.  If no updates are successful, the
program will abort so the new DSRTF file is deleted.  This program may
be run at any time and a control record is required.  See figure 58-2.

g. Program NBQN60.  This program create updates to the DSRTF that
need to be made because a DSR address has been changed, but the
indicative data is essentially unchanged.  For example, this will be
needed at fiscal yearend for DSRs that split because of NBQT60, but it
may not be limited strictly to yearend.  No control record is needed.

TITLE:  DSRTF UPDATE RECORD

FILE-ID:  ABQN5AUNDD10

| DESCRIPTION | POSITIONS | SPECIAL INSTRUCTIONS |
|---|---|---|
| Doc-ID | 1-21 | Enter DOC-ID exactly as shown in Open Document Listing.  Spaces are significant. **Required entry**. |
| BAL-ID | 22 | Enter BAL-ID where document resides.  For example, use "C" for a commitment document. Enter "*" for all BAL-IDs.  **Required Entry**. |
| DSR Address | 23-28 | Enter DSR that is linked to the DOC-ID. **Required Entry**. |
| | 29-38 | Blank. |
| Original Doc-ID | 39-60 | Enter new Original DOC-ID information.  All 21 positions will be replaced with the information entered in this field.  Do not use partial information.  **Required Entry**. |

Figure 58-1.  DSRTF Update Record Format.

```
PREPARED 2000 APR 11  10:09              DATABASE UPDATE FOR DIFMS - CSI D                PCN SH069-N1L
                                               DAYTON OPLOC                              ADSN: 503000
        ADDRESSES          AFO/ F ALLT CDE MFP PEC   FC  BPAC  FMS  EEIC   SMC   SC  ORGDATA ESP P  T CAAS OLD   MESSAGE
                           SITE T                       PROJCT LINE MPC               RC/CC     C  V      CSI

F000997                    0 16 J 6P  7899                                                             D     CSI D DELETED
F000997  P004953           0 16 J 6P  7899                         602       39  401010  JB           D     CSI D DELETED
F000997  P004953  D006577  0 16 J 6P  7899                         602       39  401010  JB           D     CSI D DELETED
F000998                    0 16 R 6P  7899                                                            D     CSI D DELETED
F000998  P004952           0 16 R 6P  7899                         FB4806    39           JB 5        D     CSI D DELETED
F000998  P004952  D006601  0 16 R 6P  7899                         FB4806    39           JB 5        D     CSI D DELETED
F001001                    0 16 J 6R  7899                                                            D     CSI D DELETED
F001001  P009627           0 16 J 6R  7899                         592       39  401010  JB           D     CSI D DELETED
F001001  P009627  D006693  0 16 J 6R  7899                         592       39  401010  JB           D     CSI D DELETED
F001002                    0 16 R 6R  7899                                                            D     CSI D DELETED
F001002  P009585           0 16 R 6R  7899                         569       39           JB 5        D     CSI D DELETED
F001002  P009585  D006700  0 16 R 6R  7899                         569       39           JB 5        D     CSI D DELETED
F001003                    0 16 J 6S  7899                                                            D     CSI D DELETED
F001003  P009593           0 16 J 6S  7899                         607       39  401010  JB           D     CSI D DELETED
F001003  P009593  D006717  0 16 J 6S  7899                         607       39  401010  JB           D     CSI D DELETED
F001004                    0 16 R 6S  7899                                                            D     CSI D DELETED
F001004  P009645           0 16 R 6S  7899                         602       39           JB 5        D     CSI D DELETED
F001004  P009645  D006730  0 16 R 6S  7899                         602       39           JB 5        D     CSI D DELETED
F001005                    0 16 J 6T  7899                                                            D     CSI D DELETED
F001005  P010091           0 16 J 6T  7899                         609       39  401010  JB           D     CSI D DELETED
F001005  P010091  D006734  0 16 J 6T  7899                         609       39  401010  JB           D     CSI D DELETED
F001006                    0 16 R 6T  7899                                                            D     CSI D DELETED
F001006  P010095           0 16 R 6T  7899                         619       39           JB 5        D     CSI D DELETED
F001006  P010095  D006735  0 16 R 6T  7899                         619       39           JB 5        D     CSI D DELETED
F001007                    0 16 J 6U  7899                                                            D     CSI D DELETED
F001007  P011076           0 16 J 6U  7899                         492       39  401010  JB           D     CSI D DELETED
F001007  P011076  D006787  0 16 J 6U  7899                         492       39  401010  JB           D     CSI D DELETED
F001008                    0 16 R 6U  7899                                                            D     CSI D DELETED
F001008  P019998           0 16 R 6U  7899                         426       39           JB 5        D     CSI D DELETED
F001008  P019998  D006819  0 16 R 6U  7899                         426       39           JB 5        D     CSI D DELETED
C000544                    0 16   6L0 7898                                 D                                 CSI D INSERTED
C000560                    0 16   6L  7899                                 D                                 CSI D INSERTED
C000571                    0 16   6Z  7899                                 D                                 CSI D INSERTED
F000949                    0 16 S 6M0 7898                                 D                                 CSI D INSERTED
F000949  P002721           0 16 S 6M0 7898                         329     D              JB 5              CSI D INSERTED
F000949  P002721  D004685  0 16 S 6M0 7898                         329     D              JB 5              CSI D INSERTED
F000995                    0 16 R 6M0 7899                                 D                                 CSI D INSERTED
F000995  P030549           0 16 R 6M0 7899                         329     D   39         JB 5              CSI D INSERTED
F000995  P030549  D006501  0 16 R 6M0 7899                         329     D   39         JB 5              CSI D INSERTED
F001148                    0 16 S 6L  47E4                                 D                                 CSI D INSERTED
F001150                    0 16 S 6Z  47E4                                 D                                 CSI D INSERTED
```

THE FOLLOWING PROGRAM(S) AND VERSION DATE(S) WERE USED IN CREATING THIS REPORT :
NBQN150UABS0 - 990923

END PAGE    3

Figure 58-2.  Database Update for DIFMS - CSI D.

```
PREPARED 2000 APR 11  10:23                    DSR TRACKING TABLE UPDATES                              PCN SH069-N5L
                                                  DAYTON OPLOC                      ADSN: 503000
                       BAL                                        BAL    PREV      ------ORIGINAL DOCUMENT IDENTIFICATION------
DOCUMENT ID            ID    DSR       PREVIOUS DOCUMENT ID       ID     DSR       -------BEFORE--------  --------AFTER--------    DOLT

           TEST DBT    U    004561                   TEST DBT     O    004561                TEST DBT    12345678901234567890 1   0102
          ***** RECORD UPDATED          *****
           1234567890  1    234567                                                                       GF5DE0231610120
          ***** NO MATCHING RECORDS FOUND *****
BF6550193M4721567    X    O    032154                                                                    GF5DE0231610120
          ***** NO MATCHING RECORDS FOUND *****
BF6550193M4721567    X                                                                                   GF5DE0231610120
          ***** INCOMPLETE REQUEST       *****
```

```
THE FOLLOWING PROGRAM(S) AND VERSION DATE(S) WERE USED IN CREATING THIS REPORT :
NBQN500UABS0 - 990924
```

```
                                       END PAGE    1
```

Figure 58-3.  DSRTF Update List.